in

1





- <110> KLINEFELTER, Gary
- <120> METHOD FOR EVALUATING AND AFFECTING MALE FERTILITY
- <130> KLINEFELTER=1C
- <140> 09/752,514
- <141> 2001-01-03
- <150> US 09/123,492
- <151> 1998-07-28
- <150> PCT/US97/01725
- <151> 1998-01-29
- <150> US 08/593,677
- <151> 1996-01-29
- <150> US 60/082,753
- <151> 1998-04-23
- <160> 4
- <170> PatentIn version 3.1
- <210> 1
- <211> 189
- <212> PRT
- <213> Homo sapiens
- <400> 1
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- Met Glu Thr Val Ile Pro Val Asp Val Met Arg Arg Ala Gly Ile Lys 20 25 30
- Val Thr Val Ala Gly Leu Ala Gly Lys Asp Pro Val Gln Cys Ser Arg 35 40 45
- Asp Val Val Ile Cys Pro Asp Ala Ser Leu Glu Asp Ala Lys Lys Glu 50 60
- Gly Pro Tyr Asp Val Val Leu Pro Gly Gly Asn Leu Gly Ala Gln 65 70 75 80
- Asn Leu Ser Glu Ser Ala Ala Val Lys Glu Ile Leu Lys Glu Gln Glu 85 90 95

ASII AIG I	100		: Ala Ale	105	s Ald G.	IY FIO	110	Leu	
Leu Ala F	His Glu 115	ı Ile Gl <u>y</u>	7 Cys Gly 120		s Val T	hr Thr 125	His Pro	Leu	
Ala Lys A	Asp Lys	Met Met	Asn Gly 135	Gly Hi		hr Tyr 40	Ser Glu	Asn	
Arg Val (Glu Lys	Asp Gly		Leu Th	r Ser A 155	rg Gly	Pro Gly	Thr 160	
Ser Phe 0	Glu Phe	Ala Leu 165	ı Ala Ile	Val Gl 17		eu Asn	Gly Lys 175	Glu	
Val Ala A	Ala Gln 180		Ala Pro	Leu Va 185	l Leu L	ys Asp			
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cagcagttt									180
gaaatagaa	atg g	ca tcc a		ct ctg	gtc atc	cta go	c aaa go	ga gca	231
gag gag a Glu Glu M 15	ıtg gag Met Glu	aca gtg Thr Val 20	att cct Ile Pro	gtg ga Val As _l	c atc at p Ile Me 25	tg cgg et Arg	cga gct Arg Ala	30 GJ Å āāā	279
att aaa g Ile Lys V	gtc acc Val Thr	gtt gca Val Ala 35	ggc ttg Gly Leu	gct ggo Ala Gl	g aag ga y Lys As	ac ccc sp Pro	gtg cag Val Gln 45	tgt Cys	327
agc cgt g Ser Arg A	gat gta Asp Val 50	gtg att Val Ile	tgt ccg Cys Pro	gat acc Asp Th:	c agt ct r Ser Le	eu Glu	gaa gca Glu Ala 60	aaa Lys	375

aca cag gga cca tac gat gtg gtt gtt ctt cca gga gga aat ctg ggt Thr Gln Gly Pro Tyr Asp Val Val Val Leu Pro Gly Gly Asn Leu Gly 65 70 75	423							
gca cag aac tta tct gag tcg gct ttg gtg aag gag atc ctc aag gag Ala Gln Asn Leu Ser Glu Ser Ala Leu Val Lys Glu Ile Leu Lys Glu 80 85 90	471							
cag gag aac agg aag ggc ctc ata gct gcc atc tgt gcg ggt cct acg Gln Glu Asn Arg Lys Gly Leu Ile Ala Ala Ile Cys Ala Gly Pro Thr 95 100 105 110	519							
gcc ctg ctg gct cac gaa gta ggc ttt gga tgc aag gtt aca tcg cac Ala Leu Leu Ala His Glu Val Gly Phe Gly Cys Lys Val Thr Ser His 115 120 125	567							
cca ttg gct aag gac aaa atg atg aac ggc agt cac tac agc tac tca Pro Leu Ala Lys Asp Lys Met Met Asn Gly Ser His Tyr Ser Tyr Ser 130 135 140	615							
gag agc cgt gtg gag aag gac ggc ctc atc ctc acc agc cgt ggg cct Glu Ser Arg Val Glu Lys Asp Gly Leu Ile Leu Thr Ser Arg Gly Pro 145 150 155	663							
ggg acc agc ttc gag ttt gcg ctg gcc att gtg gag gca ctc agt ggc Gly Thr Ser Phe Glu Phe Ala Leu Ala Ile Val Glu Ala Leu Ser Gly 160 165 170	711							
aag gac atg gct aac caa gtg aag gcc ccg ctt gtt ctc aaa gac Lys Asp Met Ala Asn Gln Val Lys Ala Pro Leu Val Leu Lys Asp 175 180 185	756							
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gtgtgtccac agcccagtga acctggcatt ggaagcccac tagtgtgtcc acagcccagt	876							
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<211> 189

<212> PRT

<213> Rattus rattus

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Met Glu Thr Val Ile Pro Val Asp Ile Met Arg Arg Ala Gly Ile Lys 20 25 30

Val Thr Val Ala Gly Leu Ala Gly Lys Asp Pro Val Gln Cys Ser Arg 35 40 45

Asp Val Val Ile Cys Pro Asp Thr Ser Leu Glu Glu Ala Lys Thr Gln 50 55 60

Gly Pro Tyr Asp Val Val Leu Pro Gly Gly Asn Leu Gly Ala Gln 65 70 75 80

Asn Leu Ser Glu Ser Ala Leu Val Lys Glu Ile Leu Lys Glu Gln Glu 85 90 95

Asn Arg Lys Gly Leu Ile Ala Ala Ile Cys Ala Gly Pro Thr Ala Leu 100 105 110

Leu Ala His Glu Val Gly Phe Gly Cys Lys Val Thr Ser His Pro Leu 115 120 125

Ala Lys Asp Lys Met Met Asn Gly Ser His Tyr Ser Tyr Ser Glu Ser 130 135 140

Arg Val Glu Lys Asp Gly Leu Ile Leu Thr Ser Arg Gly Pro Gly Thr 145 150 155 160

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<212> DNA

<213> Rattus rattus

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